

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-259846

(43)Date of publication of application : 08.10.1996

(51)Int.Cl.

C09C 3/10  
C01B 33/20  
C04B 41/48  
C08K 9/04  
C08L 77/00  
C08L101/00

(21)Application number : 07-091406

(71)Applicant : KAO CORP

(22)Date of filing : 24.03.1995

(72)Inventor : MIYANAGA SEIICHI

DOI YASUHIRO

TSUNODA YUZO

(54) RESIN COATED SUPERFINE POWDERY SILICATE, COMPOSITION CONTAINING  
THE SAME AND ITS PRODUCTION

(57)Abstract:

PURPOSE: To obtain a new coated superfine powdery silicate by coating the surface of a superfine powdery laminar silicate with an amide group-containing resin, having a wide use due to exhibition of compatibility with monomers, various solvents and resins.

CONSTITUTION: The surface of a superfine powdery silicate (preferably montmorillonite-based clay mineral) released into a single layer and/or several layer units is coated with an amide group-containing resin (preferably nylon 6) to give the objective superfine powdery silicate coated with an amide group-containing resin. The silicate is obtained by treating the surface of the superfine powdery silicate with an ammonium salt of an  $\omega$ -aminoalkylcarboxylic acid such as 4-amino-n-butyric acid and blending 100 pts.wt of the silicate with a monomer of a precursor for the amide group-containing resin such as  $\epsilon$ -caprolactam under conditions to give 1-300 pts.wt. of the formed amount of the coating amide group-containing resin while heating.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of